

FORM PTO-1449 (modified)  
To: U.S. Department of Commerce  
(FM&S FORM PAT-1449)  
Patent and Trademark Office

Atty.  
Dkt. No.

M#

Client Ref.

283228

P.3073 Cont

31036 U.S. PTO  
09/944389

09/04/01

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: DAVIS ET AL

Appl. No.: Continuation of 08/871,641

Filing Date: September 4, 2001

Examiner: Portner

Group Art Unit: 1645

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Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
BTN	AR 4,457,916	07/1984	Hayashi et al	424	101	
BTN	BR 4,891,319	01/1990	Roser	435	188	
BTN	CR 4,762,857	08/1988	Bollin, Jr. et al	514	777	
BTN	DR 4,774,192	09/1988	Terminiello et al	436	530	
BTN	ER 3,620,677	11/1971	Morison			
BTN	FR 4,042,335	08/1977	Clement			
BTN	GR 4,022,876	05/1977	Anbar			
BTN	HR 4,122,030	10/1978	Smith et al			
BTN	IR 4,166,105	08/1979	Hirschfeld			
BTN	JR 4,954,452	09/1990	Yost et al			
BTN	KR 4,742,011	03/1985	Blake et al			
BTN	LR 4,094,647	07/1976	Deutsch et al			
BTN	MR 4,608,248	09/1983	Bayer et al			
BTN	NR 4,366,241	08/1980	Tom et al			

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BTN	OR	WO 87/00196	01/1987	PCT	Roser	C12N				
BTN	PR	0 140 489	05/1985	Europe	Sakata et al	G01N				
BTN	QR	0 212 599	03/1987	Europe						
BTN	RR	0 199 205	10/1986	Europe						
BTN	SR	0 191 640	08/1986	Europe						
BTN	TR	0 154 749	09/1985	Europe						
	UR	0 186 799	07/1986	Europe	not considered				✓	✓
BTN	VR	0 250 137	12/1987	Europe	ORTHO DIAG.					
BTN	WR	0 183 442	06/1986	Europe						
BTN	XR	0 212 603	08/1985	Europe						

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	ZR	Crowe et al, J. Biochem., 242:1-10 (1987)
	AAR	Ikram et al, J. of Virological Methods, 13:143-148 (1986)
	BBR	Ansari et al, J. Immunological Methods, 84:117-124 (1985)
	CCR	Hellman et al, Biochimica As Biophysica Acta, 749:133-142 (1983)
BTN	DDR	Arakawa et al, Biochemistry, 21:6536-6544 (1982)

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\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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BTN	BR 4,373,932	01/1981	Gribanau et al			
BTN	CR 4,032,536	08/1978	Longenecker			
BTN	DR 4,168,146	01/1976	Grubb et al			
BTN	ER 4,659,678	09/1983	Forrest et al			
BTN	FR 5,602,040	02/1997	May et al			
BTN	GR 5,622,871	04/1997	May et al			
BTN	HR 4,956,275	09/1990	Zuk et al			
BTN	IR 5,656,503	08/1997	May et al			
BTN	JR 4,857,453	08/1989	Ullman et al			
BTN	KR 4,999,285	03/1991	Stiso			
BTN	LR 5,079,142	01/1992	Coleman et al			
BTN	MR 5,591,645	01/1997	Rosenstein			
BTN	NR 5,656,503	08/1997	May et al duplicate			

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BTN		NR 6,656,503		08/1997		May et al		duplicate		English Abstract		Translation Readily Available	
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		Document Number	Date MM/YYYY	Country	Inventor Name					Enclosed	No	Enclose	No
BTN	OR	WO 86/04683	08/1986	PCT	Boehringer.								
BTN	PR	WO 87/02774	05/1987	PCT									
BTN	QR	2 986 041	05/1982	U.K.									
BTN	RR	0 299 428	01/1989	Europe	Abbott Lab								
BTN	SR	1 185 882	11/1981	Canada									
BTN	TR	253 581	01/1988	Europe	EASTMAN KODAK								
BTN	UR	279 097	08/1988	Europe	Genesis Labs.								
BTN	VR	2 016 687	09/1979	U.K.									
BTN	WR	125 118	11/1984	Europe									
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BTN	YR	Lee et al, J. of Biological Chemistry, 256(14):7193-7201 (19981)
	ZR	Carpenter et al, International Symposium on Biological Product Freeze-Drying and Formulation (1990)
	AAR	Obringer et al, J. of Immunological Methods, 185:81-93 (1995)
	BBR	Yoshioka et al, J. of Chromatography, 566:361-368 (1991)
	CCR	Blanchard et al, J. of Immunological Methods, 130:263-275 (1990)
BTN	DDR	Miller III et al, J. of immunological Methods, 125:35-40 (1989)

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BTN	AR	6,187,598 B1	02/2001	May et al			
BTN	BR	4,727,019	02/1988	Valkirs et al	435	5	
BTN	CR	4,891,324	01/1990	Pease et al	436	519	
BTN	DR	4,943,522	07/1990	Eisenger et al	422	101	
BTN	ER	4,978,504	12/1990	Nason	422	56	
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BTN	GR	5,079,174	01/1992	Buck et al	422	56	
BTN	HR	5,075,078	12/1991	Osikowicz et al	422	56	
BTN	IR	5,160,701	11/1992	Brown III et al	435	7.92	
BTN	JR	5,206,177	04/1993	DeLaCrox et al	435	7.92	
BTN	KR	5,217,405	06/1993	Marchand et al	435	7.91	
BTN	LR	4,774,192	09/1988	Terminiello et al	436	530	
BTN	MR	4,861,711	08/1989	Friesen et al	422	56x	
BTN	NR	4,963,468	10/1990	Olson	435	7.91	

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BTN	OR	0 249 418	12/1987	Europe	Graham				
BTN	PR	0 291 194	11/1988	Europe	May et al				
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	RR								
	SR								
	TR								
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	VR								
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	XR								

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BTN	YR	Eckerskorn et al, Eur. J. Biochem, 176:509-519 (1988)			
	ZR	Aebersold et al, J. of Biological Chemistry, 261(9):4229-4238 (1986)			
	AAR	Vanderkerckhove et al, Eur. J. Biochem., 152:9-19 (1985)			
	BBR	Kato et al, J. Biochem, 82:261-266 (1977)			
	CCR	Jones, IVD Technology 32, (1999)			
BTN	DDR	Miller et al, Pharmaceutical Research, 15(8):1215-1221 (1998)			

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	CR 4 1 6 6 1 0 5	08/1979	Hirschfeld	duplicate		
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	ER 4 9 5 4 4 5 2	09/1990	Yost et al.	duplicate		
BTN	FR 5 12 06 43	06/1992	Ching et al	435	7.92	
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	HR					
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	JR					
	KR					
	LR					
	MR					

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	UR	Vogt, Jr., et al., "Quantitative differences among various proteins as blocking agents for ELISA microtiter plates", Journal of Immunological Methods, 101 (1987) pp. 43-50.		
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BTN	CR 3 9 1 5 6 4 7	10/1975	Wright			
BTN	DR 4 3 1 5 9 0 8	2/1982	Zer			
BTN	ER 4 3 6 6 2 4 1	12/1982	Tom			
BTN	FR 5 0 7 3 4 8 4	12/1991	Swanson			
BTN	GR 4 4 3 5 5 0 4	3/1984	Zuk			
BTN	HR 4 4 5 2 9 0 1	5/1984	Gordon			
BTN	IR 4 4 6 1 8 2 9	7/1984	Greenquist			
BTN	JR 4 5 9 4 3 2 7	6/1986	Zuk			
BTN	KR 4 5 5 2 8 3 9	11/1985	Gould			
BTN	LR 4 3 1 3 7 3 4	2/1982	Leuversing			
BTN	MR 4 6 9 5 5 5 4	9/1987	O'Connell			

FOREIGN PATENT DOCUMENTS

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BTN	NR 2 1 1 1 6 7 6	7/1983	GB						
	OR 6 3 8 1 0	11/1982	EP						
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	QR								
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U.S. PATENT DOCUMENTS

Owner's Initials	Document Number	Date Mo/Yr	Name (Family Name of First Inventor)	Class	Subclass	Filing Date If Appropriate
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BTN	BR 4 9 0 6 4 3 9	3/1990	GRENNER			
BTN	CR 4 8 3 7 1 4 5	6/1989	LIOTTA			
BTN	DR 4 9 6 0 6 9 1	10/1990	GORDON			
BTN	ER 4 8 1 0 4 7 0	3/1989	BURKHARDT			
BTN	FR 4 9 5 6 3 0 2	9/1990	GORDON			
	GR 4 9 5 6 2 7 5	9/1990	ZUK <i>duplicate</i>			
BTN	HR 3 6 6 6 4 2 1	5/1972	PRICE			
BTN	IR 3 8 7 6 5 0 4	4/1975	KOFFLER			
BTN	JR 5 0 8 9 3 9 4	2/1992	CHUN			
BTN	KR 4 4 9 3 7 9 3	1/1985	CHU			
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BTN	NR 1 5 8 7 4 6	10/1985	EP						
BTN	WO-86 0 3 8 3 9	7/1986	WO						
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U.S. PATENT DOCUMENTS

Miner's Initials	Document Number	Date Mo/Yr	Name (Family Name of First Inventor)	Class	Subclass	Filing Date If Appropriate
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BTN	CR 5030558	07/1991	Litman et al			
	DR 4881711	08/1989	Friesen et al			
BTN	ER 4868108	09/1989	Buher et al			
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BTN	GR 4837168	06/1989	de Jaenger et al			
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BTN	IR 4568102	05/1986	Nagatomo et al NAGATOMO et al			
BTN	JR 4518565	05/1985	Boyer et al			
BTN	KR 4775515	10/1988	Cottingham			
BTN	LR 4803170	02/1989	Stanton et al			
BTN	MR 4806311	02/1989	Greenquist			

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BTN	AR 4 8 0 6 3 1 2	02/1989	Greenquist			
BTN	BR 4 8 6 1 5 5 2	08/1989	Masuda et al			
BTN	CR 4 8 6 8 1 0 6	09/1989	Ito et al			
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*[Signature]*

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miner's tials	Document Number	Date Mo/Yr	Name (Family Name of First Inventor)	Class	Subclass	Filing Date If Appropriate
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BTN	BR 3 7 2 0 7 6 0	3/13/1973	BENNICH ET AL			
BTN	CR 3 8 5 0 5 7 8	11/26/1974	MCCONNELL			
BTN	DR 4 0 1 6 0 4 3	4/05/1977	SCHUURS ET AL			
BTN	ER 4 1 3 3 6 3 9	1/09/1979	HARTE			
BTN	FR 4 1 6 6 1 0 2	8/28/1979	JOHNSON			
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BTN	HR 4 1 9 1 5 3 3	3/04/1980	BOHN ET AL			
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BTN	JR 4 2 3 0 6 8 3	10/28/1980	DECKER			
BTN	KR 4 2 3 3 2 8 6	11/11/1980	SOOTHILL ET AL			
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	UR	G.B. Wisdom, "Enzyme-Immunoassay", Clinical Chemistry, 22, 1248-1255, 1976
	VR	Micheel et al. "A Solid-Phase...Filters", Acta Histochem. vol 71, pp 15-18 (1982)
	WR	Hawkes et al. "A Dot-Immunobinding Assay...Antibodies", Analytical Biochemistry, vol. 119, pp 142-147 (1982)
	XR	Esen et al. "A Simple and Rapid...Prolamins", Analytical Biochemistry, vol 132, pp 462-467 (1983)
BTN	YR	Bennett et al. "An improved Procedure...Supernatants", Journal of Immunological Methods, vol 61, pp 201-207 (1983)

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BTN	BR 4 3 2 6 0 0 8	4/20/1982	REMBALM			
BTN	CR 4 3 3 2 7 8 3	6/01/1982	PERNICE ET AL			
BTN	DR 4 3 8 0 5 8 0	4/19/1983	BOGUSLASKI ET AL			
BTN	ER 4 4 1 1 5 1 8	10/25/1983	MESEROL ET AL			
BTN	FR 4 4 2 7 7 7 9	1/24/1984	RECKET ET AL RECKEL et al			
BTN	GR 4 4 4 2 2 0 4	4/10/1984	GREENQUIST ET AL			
BTN	HR 4 4 4 7 5 2 6	5/08/1984	RUPCHOCK ET AL			
BTN	IR 4 4 5 4 2 2 6	6/12/1984	ALI ET AL			
BTN	JR 4 4 6 9 7 8 7	9/04/1984	WOODS			
BTN	KR 4 4 7 4 8 7 8	10/02/1984	HALBERT ET AL			
BTN	LR 4 4 8 3 9 2 1	11/20/1984	COLE			
BTN	MR 4 4 8 3 9 2 9	11/20/1984	SZOKA			

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BTN	PR 6 0 0 7 4 8 6	07/1985	Australia						
BTN	OR W08 0 0 1 5 1 5	7/19805	PCT						
BTN	RR W08 1 0 2 7 9 0	10/1981	PCT						
SR	59 1 2 2 9 5 0	7/1984	JAPAN	xx		not considered		xx	

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BTN	TR	Norgaard-Pedersen, "A Highly Sensitive... $\alpha$ -Fetoprotein". Clin. Chem. Acta. vol 48. pp 345-346. (1973)
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283228

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Applicant: DAVIS ET AL

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BTN	BR 4 5 2 6 8 7 1	6/02/1985	AVRAMEAS ET AL			
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BTN	UR 4 7 0 3 0 1 7	10/27/1987	CAMPBELL ET AL			
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BTN	ER 4116638	9/26/1978	KENOFF			
BTN	FR 4145186	3/20/1979	ANDERSEN			
BTN	GR 4258001	3/24/1981	PIERCE ET AL			
BTN	HR 4274832	6/23/1981	WU ET AL			
BTN	IR 4347312	8/31/1982	BROWN ET AL			
BTN	JR 4374925	2/22/1983	LITMAN ET AL			
BTN	KR 4425438	1/10/1984	BAUMAN ET AL			
BTN	LR 4444193	4/24/1984	FOGT ET AL			
BTN	MR 4446232	5/01/1984	LIOTTA			
BTN	NR 4517288	5/14/1985	GIEGEL ET AL			
BTN	OR 3723064	3/27/1973	LIOTTA			
BTN	PR 3744975	7/10/1973	MAILEN			
BTN	QR 4087326	5/02/1978	KERELUK			
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BTN	SR 4123173	10/31/1978	BULLOCK ET AL			
BTN	TR 4133639	1/09/1979	HARTE			
BTN	UR 4225558	9/30/1980	PETERSON ET AL			
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